

CLAIMS

What is claimed is:

5 1. A system for a scanner executing scanning, said system comprising:

5,6 A } a virtual hardware module in an electrical apparatus, said virtual hardware module corresponding to said scanner and used for receiving a plurality of commands from said electrical apparatus, said virtual hardware module and displaying on said electrical apparatus; and

10 a scanner control module in said electrical apparatus, said scanner control module communicating with said scanner via said electrical apparatus and said virtual hardware module, said scanner control module for controlling and executing said commands from said virtual hardware module .

15 2. The system of claim 1, wherein said electrical apparatus comprises:

20 a storage module and a plurality of application program, said virtual hardware module, and said scanner control module therein;

an input module for selecting said virtual hardware module and inputting said commands ;

an output module for displaying said virtual hardware module; and

25 a control module communicating with said scanner for coordinating said storage module, said input module and output

module.

3. The system of claim 1, wherein said virtual hardware module comprises a virtual storage device displayed on said electrical apparatus .

5 4. The system of claim 3, wherein said virtual storage device comprises a virtual hard disk device icon.

10 5. The system of claim 1, wherein said virtual hardware module further comprises a scanner object displayed in said electrical apparatus and said scanner object is for receiving said commands from said electrical apparatus.

15 6. The system of claim 1, wherein said commands comprise opening said virtual hardware module for a command of executing scanning by double clicking.

20 7. The system of claim 1, wherein said commands further comprise opening said virtual hardware module for a command of executing scanning by dragging and dropping.

25 8. The system of claim 1, wherein said commands further comprise opening said virtual hardware module for setting a storage location of a scanned data by dragging and dropping.

9. A system in a computer for a scanner executing scanning, said system comprising:

a virtual hardware module for receiving and transferring a plurality of commands from said computer, said virtual hardware module corresponding to said scanner and displayed as a virtual storage device icon in an operating system of said computer; and

a scanner control module communicating with said virtual hardware module and said scanner via said computer, said scanner control module for controlling and said commands from said virtual hardware module and transferring said commands to said scanner to executing said commands.

10. The system of claim 9, wherein said virtual storage device icon comprises a virtual hard disk device icon.

11. The system of claim 9, wherein said virtual hardware module further comprises a scanner object displayed in said operating system and said scanner object is for receiving said commands from said computer.

12. The system of claim 11, wherein said commands comprise opening said scanner object for a command of executing scanning by double clicking.

13. The system of claim 11, wherein said commands further comprise opening said scanner object for a command of executing

scanning by dragging and dropping.

14. The system of claim 11, wherein said commands further
comprise opening said scanner object for setting a storage location of a
5 scanned data by dragging and dropping.

15. A method for a scanner executing scanning, said method
comprising:

10 displaying a virtual hardware icon in a computer, said virtual
hardware icon corresponding to said scanner for receiving a plurality of
commands from said computer;

selecting said virtual hardware icon for commanding a command
of executing scanning;

15 executing scanning by said scanner according to said command
of executing scanning; and
saving scanned data.

16. The method according to claim 15, wherein said selecting
step comprises opening a scanner object of said virtual hardware icon
20 for commanding said command of executing scanning by double clicking
with a mouse of said computer.

17. The method according to claim 15, wherein said selecting
step comprises opening a scanner object of said virtual hardware icon
25 for commanding said command of executing scanning by dragging and
dropping with a mouse of said computer.

18. The method according to claim 15, wherein said selecting
step comprises opening a scanner object of said virtual hardware icon
for setting a storage location of scanned data by dragging and dropping
5 with a mouse of said computer.

19. The method according to claim 15, wherein said virtual
hardware icon comprises a virtual hard disk device icon displayed in an
operating system of said computer.

20. The method according to claim 15, wherein said scanner is
communicated with said computer through a connecting network.